

NOXIOUS EXOTIC ANIMAL TASK TEAM (NEATT)

NEATT HAD A NAME CHANGE
to

**FLORIDA INVASIVE ANIMAL
TASK TEAM
(FIATT)**

ORIGINAL DIRECTIVES

- APPOINT CO-CHAIRS
- DEVELOP ASSESSMENT BASED ON 2000 GOODYEAR REPORT USING WEEDS WON'T WAIT AS A FORMAT
- FOLLOW ASSESSMENT UP WITH A STRATEGY FOR PREVENTION AND CONTROL OF SPECIES IDENTIFIED AS HIGH PRIORITY
- WORK WITH NEWTT TO COORDINATE MUTUAL ACTIVITIES AND INTEGRATION
- DEVELOP WEB PAGE FOR TF WEB SITE

FIATT DIRECTIVE UPDATE

- Tri-chairs appointed: Art Roybal, Skip Snow, Don Schmitz
- Updating the previous report submitted to the South Florida Ecosystem Restoration Working Group entitled, "Initial Status Survey of Non-indigenous Animals in South Florida," compiled by Carole Goodyear, September 2000.
- Producing a list of taxonomic experts to assist in identification of non-native/invasive species
- Developing methods to help prioritize species by threat and feasibility of control
- Developing a Standard Operating Procedures for the Task Team
- Developing a web page for the SFERTF web site

WG ACTIONS FOR FIATT

**FIATT REQUESTS THE ADDITION OF A
NEW SUBGOAL**

**Subgoal 2C – Control of Invasive Exotic
Animals**

**TO THE TASK FORCE STRATEGIC PLAN
AND BIENNIAL REPORT**

NEWWTT

■ DIRECTIVES

- ✚ 1. ASSESSMENT OF THE INVASIVE EXOTIC PLANT PROBLEM
- ✚ 2. STRATEGY FOR DEALING WITH THE PROBLEM
- ✚ 3. PLAN TO IMPLEMENT THE STRATEGY

WEEDS WON'T WAIT !

+ ASSESSMENT

- Overview of Problem
- Need for strategy
- Priority plants
- Control approaches
- Regulation & Policy
- Overview of Programs
- Assessment of Issue
- Maps & photos
- Literature

+ STRATEGY

- Size of Problem
- Issue of Bioinvasion
- What's broken
- How to fix it
 - Goals and Steps
 - Tasks
- Practical approaches
- 5 Most Important Things to do Right Away

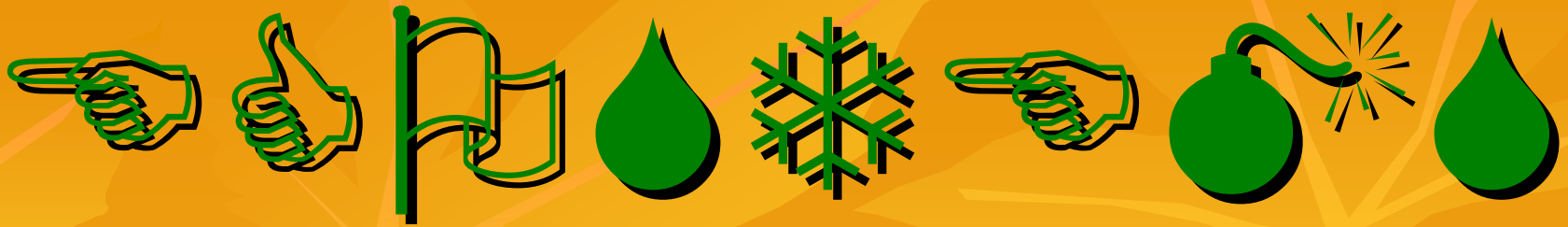
WEEDS WON'T WAIT !

■ IMPLEMENTATION PLAN

- ✚ All strategic plan tasks incorporated
- ✚ Lead agencies recommended
- ✚ Task timeframes and linkages
- ✚ Cross-cut budget by task
- ✚ Cross-cut budget within EPA
- ✚ Integration of Strategy with CERP
- ★ Unfunded needs
- ★ Revise & Update Strategic Plan Project Statements and Performance Measures

?IMPLEMENTATION?

- **HOW THE HECK DO YOU IMPLEMENT WHEN:**
 - **PROGRAM AUTHORITY DIVIDED AMONG MANY AGENCIES**
 - **PROGRAM RESPONSIBILITY DIVIDED AMONG MANY AGENCIES WITH VARYING POLICIES**
 - **FUNDING DIVIDED AMONG MANY AGENCIES WITH VARYING PRIORITIES**
 - **NO CLEAR PROGRAMATIC CONSENSUS**



■ WHAT IS ECOSTEMS?

**ECOSTEMS IS A COMPREHENSIVE
INTERNET ACCESSIBLE DATABASE ,
TRACKING SYSTEM AND SEARCH ENGINE
FOR IMPLEMENTING THE INVASIVE
EXOTIC PLANT MANAGEMENT AND
CONTROL STRATEGY DEVELOPED BY
THE
NOXIOUS EXOTIC WEED TASK TEAM**

WHAT DOES ECOSTEMS DO?

ECOSTEMS tracks program tasks related to the work being done by the many agencies in Florida involved in invasive exotic plant management.

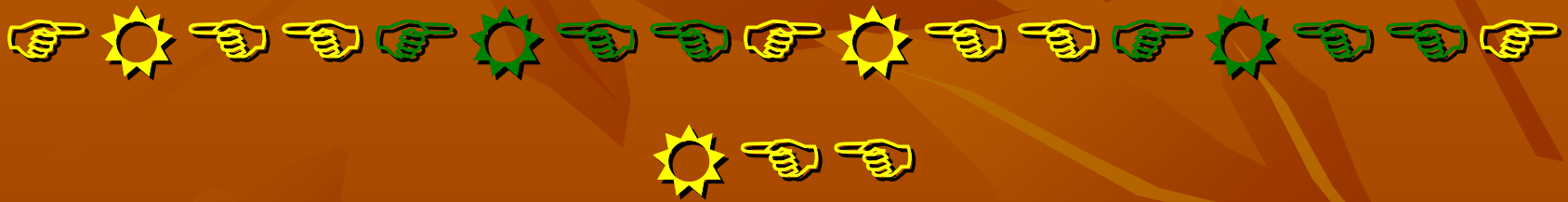
ECOSTEMS is not a project management system.

WHAT IS ECOSTEMS FOR?

- **ECOSTEMS is intended for use by the agencies working with the South Florida Ecosystem Task Force on Everglades Restoration to input, track and update their invasive exotic plant project information.**
- **ECOSTEMS is fully searchable and can save individualized searches to excel spreadsheets for use in agency reports.**

**ECOSTEMS IS
COMPLETELY PORTABLE
FOR USE IN TRACKING
INFORMATION FOR
OTHER PROJECTS OR
PROGRAMS**

ECOSTEMS WAS DEVELOPED USING ONLY OPEN SOURCE SOFTWARE



LINUX - OS
MYSQL – DATABASE
APACHE – WEB SERVER
PHP – CODING SOFTWARE



WWW.ECOSTEMS.ORG

Develop Search, Chart, Graph and Analyse Component

Development Stage	Man-hour Estimate	Development Cost
Enhanced Keyword Search Engine	110	5,500
Enhanced Categorical Search Engine	75	3,750
Tabulation of Tasks by relationship	55	2,750
Tabulation of \$\$, Personnel, Sums, Avgs	90	4,500
Cross-correlation of multiple searches	92	4,600
Graphing and Charting Tool	131	6,550
Estimation and Prediction tool (task flagging)	180	9,000
	733	\$36,650

Develop GIS Mapserver Component

Development Stage	Man-hour Estimate	Development Cost
Mapserver Website Integration	65	3,250
Basic GIS Layer Implementation	50	2,500
GIS Engine Development	140	7,000
Database Buildout	55	2,750
Website Buildout	100	5,000
Integrate Task Browsing w/ Visual Result	65	3,250
Integrate Task Searching w/ Visual Result	80	4,000
Data Colorization, presentation	90	4,500
Data Entry	140	1,400
	785	\$33,650

Implement Search Parameter Saver		
Development Stage	Man-hour Estimate	Development Cost
Database Modifications	12	600
Interface Modifications	20	1,000
Build	15	750
Testing and Deployment	16	800
	63	\$3,150

Implement Dynamic User-privileges		
Development Stage	Man-hour Estimate	Development Cost
Analyse Needed Privileges	12	600
Implement Privilege Flags	50	2,500
Process Flow Modifications	80	4,000
Implement Changes to Interface	18	900
	160	\$8,000

Implement Undo Feature		
Development Stage	Man-hour Estimate	Development Cost
Database Modifications	10	500
Interface Modifications	24	1,200
Process Flow Modification	36	1,800
	70	\$3,500

Develop Integrated Help System*

Development Stage	Man-hour Estimate	Development Cost
Database Modifications	25	1,250
Interface Design	15	750
Help Text Integration	24	1,200
Interface Implementation	16	800
	80	\$4,000

Implement Publications Upload, Store and Search

Development Stage	Man-hour Estimate	Development Cost
Database Modifications	10	500
Upload Interface Design	20	1,000
Search Engine Integration	26	1,300
Publications QA/QC Interface	30	1,500
	86	\$4,300

Storing and Graphing Temporal Task Information

Development Stage	Man-hour Estimate	Development Cost
Database Modifications	5	250
Interface Enhancements	20	1,000
Data Preservation Engine	20	1,000
Graphing Tools	25	1,250
	70	\$3,500

Export Task Information to Text Documents in Word or PDF Format

Development Stage	Man-hour Estimate	Development Cost
Interface Development	20	1,000
Document Creation Engine	20	1,000
	40	\$2,000

	Man Hours	Cost
Grand Totals	1977	\$96,500



About STEMS

The System for Tracking Ecological Management Stuff

What is STEMS?

STEMS is a comprehensive, internet-accessible database and tracking system for implementing the invasive exotic plant management and control strategy developed by the Noxious Exotic Weed Task Team for south Florida ecosystem restoration.

What does STEMS do?

STEMS tracks program tasks related to the work being done by the many agencies in Florida involved in invasive exotic plant management in the South Florida Ecosystem Restoration Program. STEMS is not a project management system. This web-based data and tracking system has been developed to help the many agencies and organizations involved in South Florida Ecosystem Restoration coordinate their activities and implement the invasive exotic plant management strategy from "Weeds Won't Wait"—the comprehensive report on invasive exotic species and the threats they pose to Florida and Everglades Restoration that was developed by the Noxious Exotic Weed Task Team.

What is STEMS for?

STEMS is intended for use by the agencies working with the South Florida Ecosystem Task Force on Everglades Restoration to input, track and update their invasive exotic plant project information. This includes a description and title of each task, dates, funding levels by fiscal



STEMS Latest Advancements

STEMS Development News

[05/07/2004] **STEMS Search Engine Beta Released** [NEW](#)

The Beta version of the STEMS search engine has been released. The search engine allows for categorical, keyword, or mixed searches. Categories include Organization, Personnel, and Species. Further narrowing can be done by status code, area, tracking ID, or total sponsorship.

Many more searching functions are to come. Some in-progress changes include viewing total contribution by a particular organization, and narrowing results by an organization's relationship to the task (i.e. 'lead', 'sponsor', etc.).

To search for tasks, click on 'Data Search' on the top navigation bar.

[04/26/2004] **Row highlighting and Editing Features added** [NEW](#)

In order to make task and personnel maintenance easier, row highlighting and editing features have been added throughout the STEMS site.

Holding the mouse pointer over a clickable row in any table in the site, will result in that row being highlighted. If the row highlights, then clicking on it will allow you to either view or edit the data in the row depending upon where you are in the site.

[02/26/04] **STEMS Beta Development Effort Nearing Completion**



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System for Tracking Ecological Management Stuff

Keyword Search



Find Tasks By...

Organization

Relationship

Any

Organization

Person

Species

☒ Scientific Name ☐ Common name

Narrow search results by...

Status Code

- ☐ assigned ☐ unassigned
☐ removed ☐ postponed
☐ completed ☐ other

Area

Operator

- ☐ >
☐ =
☐ <

Area

Total Sponsorship

Operator

- ☐ >
☐ =
☐ <

Contribution

\$

Start Date / End Date

 /

Tracking ID

Click to narrow results



Task Name	Task Description	Task Objective	Area
A.5 Identify highest priority natural areas for first-action of removal and control	Concept 1-A.5		(
A.7 Integrate the Florida Weed Web information system, the future National Invasive Species Information System and eventual Worldwide Weed Web.	Concept 1-A.7	STEMS	(
Step A: Establish procedures, mechanisms, and information network to assist in identifying, assessing, and ranking weed problems on an integrated statewide	Step A		(
Sanibel - Johnston Preserve/State Botanical Site, ERP-038, 1997	Sanibel - Johnston Preserve/State Botanical Site		116
Pine Key Acres, Big Pine Key, LK-006, 1997	Pine Key Acres, Big Pine Key		25
Vaca Key, Little Torch Key, LK-16 18, 1997	Vaca Key, Little Torch Key		86
Long Key SRA, MK-004, 1997	Long Key SRA		71
Nike Radar Site Key Largo Hammocks, NK-001, 1997	Nike Radar Site Key Largo Hammocks		4
Dynamite Docks Key Largo Hammocks, NK-002, 1997	Dynamite Docks Key Largo Hammocks		16
Card Sound Road East Key Largo Hammocks, NK-003, 1997	Card Sound Road East Key Largo Hammocks		;
Madeira Village Key Largo Hammocks, NK-004, 1997	Madeira Village Key Largo Hammocks		15
Key Largo Beach And Tennis Club Key Largo Hammocks, NK-005, 1997	Key Largo Beach And Tennis Club Key Largo Hammocks		;
Parcel 43 Key Largo Hammocks, NK-006, 1997	Parcel 43 Key Largo Hammocks		3
White Goods Dump Key Largo Hammocks, NK-007, 1997	White Goods Dump Key Largo Hammocks		3
Port Bouganville Parcel M Crocodile Lake NWR, NK-008, 1997	Port Bouganville Parcel M Crocodile Lake NWR		;
Keystone Security Crocodile Lake NWR, NK-009, 1997	Keystone Security Crocodile Lake NWR		11
Sea To Sound Tract Crocodile Lake NWR, NK-010, 1997	Sea To Sound Tract Crocodile Lake NWR		1



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Logged in as dorenr

To begin viewing task information, choose an option below

View dorenr's tasks  [GO](#)

View all tasks  [GO](#)

Hide Tree  [Go Back](#)

- Concept 1
 - Step A: Establish procedures, mechanisms, and information network t...
 - A.1 Prioritize species for control
 - A.1.1 Species relating to South Florida Ecosystem Restoration
 - A.1.2 Florida-wide species
 - A.1.3 Best candidate species for biological control
 - A.2. Identify which priority species need immediate and rapid-respo...
 - A.3. Identify which priority species need containment and control a...
 - A.4 Identify species needing control within 3 to 10 years
 - A.5 Identify highest priority natural areas for first-action of re...
 - A.6. Identify existing data and information resources (Florida-wide ...
 - A.6.1 Evaluate invasive species information by agency, organization...
 - A.6.2 Quantify existing agency resources invested in information ma...
 - A.6.3 Identify the highest quality and priority data sources for ...
 - A.6.4 Identify major gaps and missing information needed to improve...

STEMS



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Logged in as dorenr

To begin managing Personnel, choose an option below

Edit Personnel 

Add New Personnel 

Choose the letter range containing the person's last name

A - C D - G H - K L - R S - T U - Z A - Z (View All)

Click on a person's name to edit their information.

To delete a person from the system, click the corresponding 'delete' button.

Last, First M	Username	User Type	
Administrator, System	sysadmin	System Manager	 Delete
Ashton, Charles			 Delete
Bayer, Philip C	phil	System Manager	 Delete
Beeler, Carrie	beelerc	System Manager	 Delete
Berman, Jody			 Delete
Best, Ronnie			 Delete
Brandt, Laura A			 Delete
Call, Erynn M			 Delete
Catanzaro, Luigi D	brew	Task Manager	 Delete
Center, Ted			 Delete
Childers, Daniel L			 Delete
Clifford, Leroy			 Delete
Coile, Nancy			 Delete
Davis, Diana			 Delete
DeAngelis, Donald L			 Delete



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System for Tracking Ecological Management Staff

**** Important Note ****

This page is only a web-mockup. This is in no way intended to be useful other than to serve as a placeholder for the real GIS mapping component of the system.

Pending funding, the true GIS Component will ship with the final release of STEMS.

Show me borders for:

- ☒ counties
- ☒ cities
- ☒ parks
- ☒ districts
- ☒ natural areas

Show me sites for:

Select Task

concept 1 ▼

Select Organization

FWC ▼

